

LISTING OF THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A shrink film comprising a polyethylene film of thickness 5 to 500  $\mu\text{m}$ , wherein said polyethylene comprises an ethylene homopolymer-copolymer mixture having an ethylene homopolymer component and an ethylene copolymer component, the ethylene homopolymer-copolymer mixture has a molecular weight distribution in the range 5 to 40, ~~a density of 960 to 980  $\text{kg/m}^3$~~  and a weight average molecular weight of at least 100 kD, the ethylene homopolymer component has a density of 960 to 980  $\text{kg/m}^3$ .
2. (Cancelled)
3. (Currently amended) A shrink film as claimed in claim 1, wherein the ethylene copolymer component has a density of 890 to 920  $\text{kg/m}^3$ .
4. (Cancelled)
5. (Currently amended) A shrink film as claimed in claim 1, wherein the Mw of the ethylene homopolymer-copolymer mixture is 150 to 300 kD.
6. (Currently amended) A shrink film as claimed in claim 1, wherein the Mw of the ethylene homopolymer-copolymer mixture is at least 230 kD.
7. (Currently amended) A shrink film as claimed in claim 1, wherein the MWD of the ethylene homopolymer-copolymer mixture is in the range 10 to 35.
8. (Currently amended) A shrink film as claimed in claim 7 wherein the MWD of the ethylene homopolymer-copolymer mixture is in the range 15 to 25.

9. (Currently amended) A shrink film as claimed in claim 1, wherein the ratio of the ethylene homopolymer component to the ethylene copolymer component in said the ethylene homopolymer-copolymer mixture is in the range 1:5 to 5:1 by weight.
10. (Currently amended) A shrink film as claimed in claim 9 wherein the ratio of the ethylene homopolymer component to the ethylene copolymer component in said the ethylene homopolymer-copolymer mixture is in the range 60:40 to 40:60 by weight.
11. (Currently amended) A shrink film as claimed in claim 1, wherein the ethylene copolymer component comprises ethylene and 1-butene or ethylene and 1-hexene.
12. (Currently amended) A shrink film as claimed in claim 1, wherein the ethylene copolymer component comprises an ethylene, 1-butene and 1-hexene terpolymer.
13. (Previously presented) A shrink film as claimed in claim 1, wherein said film has a thickness of 20 to 120  $\mu\text{m}$ .
14. (Previously presented) A shrink film as claimed in claim 1, wherein said shrink film is a multilayer film.
15. (Previously presented) A shrink film as claimed in claim 1, wherein said shrink film is unilamellar.
16. (Original) A shrink film as claimed in claim 15 having a thickness of 100 to 200  $\mu\text{m}$ .
17. (Previously presented) A shrink film as claimed in claim 1, wherein said film exhibits at least 15% shrink in the transverse direction upon application of heat.

18. (Original) A shrink film as claimed in claim 14 wherein said multilayer film comprises a layer in which at least 95% wt is formed from said ethylene homopolymer-copolymer mixture.
19. (Currently amended) A process for wrapping an object comprising applying a shrink film about said object and shrinking said film by the application of heat thereto, wherein said film is a shrink film comprising a polyethylene film of thickness 5 to 500  $\mu\text{m}$ , wherein said polyethylene comprises an ethylene homopolymer-copolymer mixture having an ethylene homopolymer component and a ethylene copolymer component, the ethylene homopolymer-copolymer mixture having a molecular weight distribution in the range 5 to 40, ~~a density of 960 to 980  $\text{kg/m}^3$~~  and a weight average molecular weight of at least 100 kD, the ethylene homopolymer component having a density of 960 to 980  $\text{kg/m}^3$ .
20. (Currently amended) An object shrink wrapped with a shrink film comprising a polyethylene film of thickness 5 to 500  $\mu\text{m}$ , wherein said polyethylene comprises an ethylene homopolymer-copolymer mixture having an ethylene homopolymer component and an ethylene copolymer component, the ethylene homopolymer-copolymer mixture having a molecular weight distribution in the range 5 to 40, ~~a density of 960 to 980  $\text{kg/m}^3$~~  and a weight average molecular weight of at least 100 kD, the ethylene homopolymer component having a density of 960 to 980  $\text{kg/m}^3$ .
21. (Cancelled)
22. (Previously presented) The shrink film of claim 1 having a Dart drop value (g)/film thickness ( $\mu\text{m}$ ) of 5 g/ $\mu\text{m}$  or more.
23. (Cancelled)
24. (Previously presented) The shrink film of claim 22, wherein the film is unilamellar.

25. (Previously presented) The shrink film of claim 22, wherein Dart drop value (g)/film thickness ( $\mu\text{m}$ ) is 6 g/ $\mu\text{m}$  or more.